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1 32. (New) A computer-readable medium carrying one or more sequences of instructions
2 for facilitating Internet security protocol (IPsec) based communications through a
3 device that employs address translation in a telecommunications network, which
4 instructions, when executed by one or more processors, cause the one or more
5 processors to carry out the steps of:
6 receiving a first electronic message from a first node, wherein the first electronic
7 message is based on IPsec and is associated with a first identifier;
8 generating a value based on the first identifier;
9 sending the first electronic message to a second node;
10 receiving a second electronic message from the second node, wherein the second
11 electronic message is based on IPsec and is associated with a second
12 identifier that is different than the first identifier, wherein the second
13 identifier is generated based on the first identifier;
14 determining whether the second electronic message is directed to the first node
15 based on the value and the second identifier; and
16 sending the second electronic message to the first node when the second electronic
17 message is determined to be directed to the first node.

1 33. (New) A computer-readable medium carrying one or more sequences of instructions
2 for facilitating Internet security protocol (IPsec) based communications through a
3 device that employs address translation in a telecommunications network, which
4 instructions, when executed by one or more processors, cause the one or more
5 processors to carry out the steps of:
6 receiving a first electronic message from a first node, wherein the first electronic
7 message is based on IPsec and is associated with a first identifier, wherein
8 the first identifier is generated based on a second identifier and the first
9 identifier is different than the second identifier;
10 sending the first electronic message to a second node;
11 receiving a second electronic message from the second node, wherein the second
12 electronic message is based on IPsec and is associated with the second
13 identifier;

14 generating a value based on the second identifier;
15 determining whether the second electronic message is directed to the first node
16 based on the value and the first identifier; and
17 sending the second electronic message to the first node when the second electronic
18 message is determined to be directed to the first node.

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1 34. (New) A computer-readable medium carrying one or more sequences of instructions
2 for facilitating Internet security protocol (IPsec) based communications with a device
3 that employs address translation in a telecommunications network, which
4 instructions, when executed by one or more processors, cause the one or more
5 processors to carry out the steps of:
6 generating a value based on a first identifier that is associated with a first node;
7 generating a second identifier based on the value;
8 receiving, from the device that employs address translation, a first electronic
9 message that originates from the first node, wherein the first electronic
10 message is based on IPsec and is associated with the first identifier;
11 in response to receiving the first electronic message, generating a second electronic
12 message to the first node, wherein the second electronic message is based on
13 IPsec and is associated with the second identifier;
14 sending the second electronic message to the device that employs address
15 translation;
16 wherein the device determines whether the second electronic message is directed to
17 the first node based on the second identifier and an additional value based on
18 the first identifier; and
19 wherein the device sends the second electronic message to the first node when the
20 device determines that the second electronic message is directed to the first
21 node.
